

MEMO TO FILE

Re: Gasoline in the Sanitary Sewer - 3000 Block
West Mt. Vernon

During the period August 25, 1988 thru August 28, 1988 continued investigation of the gasoline odor problems in the 3000 Block of West Mt. Vernon was conducted by Steve Short and Bob Corson.

On August 25 at approximately 8:30 A.M. L.E.L. readings were taken and a visual inspection of the wastewater in the sewer was made showing no visible gasoline.

Mt. Vernon E. of Hilton	40% LEL	Wye Map P-4 MH6
Mt. Vernon W. of Hilton	25% LEL	Wye Map P-4 MH5
Laurel S. of Harrison	25% LEL	Wye Map P-4 MH2

Additionally one barricade on Laurel was damaged and the cones around MH5 were in the ditch line and were replaced around the manhole. At 3:30 P.M. on August 25 additional readings were taken.

Mt. Vernon E. of Hilton	20% LEL	Wye Map P-4 MH6
Mt. Vernon W. of Hilton	15% LEL	Wye Map P-4 MH5
Laurel S. of Harrison	10% LEL	Wye Map P-4 MH2
2722 W. Mt. Vernon	0% LEL	from clean-out

On August 26 at approximately 10:15 A.M. readings were taken from the following sites.

Mt. Vernon E. of Hilton	5% LEL	Wye Map P-4 MH6
Mt. Vernon W. of Hilton	10% LEL	Wye Map P-4 MH5
Laurel S. of Harrison	0% LEL	Wye Map P-4 MH2
3210 W. Mt. Vernon	10% LEL	from clean-out
3132 W. Mt. Vernon	10% LEL	from clean-out
	10% LEL	from tub in bathroom
	0% LEL	Wye Map O-5 MH9

The barricade on Laurel was again in the ditch and the manhole had been placed on. Because of the low readings at this site the manhole lid was left in place to help traffic in the area. Additionally, Sewer Maintenance flushed the sewer lines in three areas serving gasoline stations in the area.

Mt. Vernon and Scenic - Wye Map P-5, MH13 to MH12 and MH13 thru MH28 to MH29 there was no visual evidence or readings to indicate the presence of gasoline.

Chestnut Expressway and Golden - Wye Map O-5, MH41 thru MH42 to MH43. This line serves Schuler's Service Station and the results showed 0% LEL and no visible sign of gasoline.

Walnut and Scenic - Wye Map O-5, MH9 thru Wye Map O-6, MH26 to MH25. This line serves a Phillips 66 station and the results showed 0% LEL and no visible sign of gasoline.

Walnut and Scenic - Wye Map O-5, MH9 to MH17. This line serves the Scenic Oil Co. and while flushing the line a reading of 40% LEL was recorded as the flusher moved thru the first 10 ft. of the line. However, upon additional flushing toward MH17 readings of 0% LEL were recorded.

On August 27 at approximately 10:00 A.M. readings were taken by Bob Corson at the following sites.

Mt. Vernon E. of Hilton	5% LEL	Wye Map P-4 MH6
Mt. Vernon W. of Hilton	0% LEL	Wye Map P-4 MH5

3000 W. Mt. VERNON

Laurel S. of Harrison	0% LEL	Wye Map P-4 MH2
3210 W. Mt. Vernon	0% LEL	from clean-out

On August 28 at approximately 7:00 A.M. readings were taken by Steve Short at the following sites.

Mt. Vernon E. of Hilton	0% LEL	Wye Map P-4 MH6
Mt. Vernon W. of Hilton	0% LEL	Wye Map P-4 MH5
Laurel S. of Harrison	0% LEL	Wye Map P-4 MH2
3210 W. Mt. Vernon	0% LEL	from clean-out

On August 29 at approximately 9:30 readings were taken by Bob Corson and Steve Short at the following sites.

Mt. Vernon E. of Hilton	0% LEL	Wye Map P-4 MH6
Mt. Vernon W. of Hilton	0% LEL	Wye Map P-4 MH5
Laurel S. of Harrison	0% LEL	Wye Map P-4 MH2
3210 W. Mt. Vernon	0% LEL	from clean-out

After reviewing the readings of the last three days the water at Golden and Lincoln was turned off both this manhole and manhole 5 were closed. On August 30 a reading of 0% LEL was taken at manhole 6 and this manhole was then closed. The source of this problem was never found although the readings in the sewer in below the Scenic Oil Co. indicated a small amount of gasoline present in the sewer this amount of odor could not have caused the problem in the 3000 W Mt Vernon which is approximately one mile from the Scenic Oil Co.

Bob Corson



August 24, 1988

MEMO TO FILE

Re: Gasoline in the Sanitary Sewer - 3000 Block
West Mt. Vernon.

I received a call from the Fire Dept. dispatcher (August 24, 1988, 1:40 A.M.) requesting that someone from the Water Pollution Control Section meet Fire Marshall Dan Whisler in the 3000 block of West Mt. Vernon. The Fire Dept. dispatcher stated that they were having a problem with gasoline in the sanitary sewer. I responded to the request and arrived on the scene at approximately 2:15 A.M. The actual location was the 3200 block of West Mt. Vernon. Fire Marshal Dan Whisler was in the process of taking a reading with his explosion meter in the manhole no. 6, wye map P-4. Mr. Whisler obtained a 70% L.E.L. We immediately removed the manhole cover and put two barricades around the manhole opening. John Taylor, from the Service Center night crew, brought us five (5) barricades.

After opening the above manhole we then checked the following manholes:

Mt. Vernon & Hilcrest	0%	Wye Map P-5	MH 20
Walnut & Homewood	0%	Wye Map O-5	MH 2
Homewood & Elm	20%	Wye Map P-5	MH 4
Elm West of Homewood	0%	Wye Map P-5	MH 5
Mt. Vernon E. of Glenn	0%	Wye Map P-5	MH 18
Mt. Vernon between Hilcrest & Glenn	0%	Wye Map P-5	MH 19
Mt. Vernon & Hilcrest	0%	Wye Map P-5	MH 20
Mt. Vernon between Hilcrest and Golden	0%	Wye Map P-5	MH 21
Mt. Vernon & Golden	0%	Wye Map P-5	MH 22
Mt. Vernon W. of Golden	20%	Wye Map P-5	MH 36
Hilton NW of Mt. Vernon	70%	Wye Map P-4	MH 8

We removed this cover - a cone was placed over the open hole.

Hilton N. of Mt. Vernon	0%	Wye Map P-4	MH 10
Laurel S. of Harrison	9%	Wye Map P-4	MH 2
State W. of Laurel	15%	Wye Map Q-4	MH 1
MH NW of MH 5, Wye Map P-4	70%		

We removed this cover - a cone was placed over the open hole. The time was approximately 3:35 A.M.

Mt. Vernon & Laurel	9%		
Mt. Vernon W. of Hilton	70%	Wye Map P-4	MH 5

We removed this cover and placed two barricades around the manhole opening. The time was 3:45 A.M.

At this point the Fire Dept. thought that flushing the line with a fire hose would be in order. I returned to the Sewer Maintenance Building to pickup some barricades and a section of fire hose. I then went to the intersection of Golden and

3000 W. Mt. Vernon

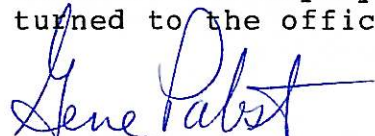
Mt. Vernon where there was a manhole with 20 ft. from a fire hydrant. After further checking I discovered that the manhole that we intended to use was a telephone manhole. I then proceeded to go North on Golden to the intersection of Golden and Lincoln. At this point I found a manhole that was close to a fire hydrant. The section of fire hose that I had brought with me was not long enough to reach the manhole. At this time I had to return to the Sewer Maintenance Building to pickup another section of fire hose. I then went back to Golden and Lincoln. I put out the fire hose and barricades and turned on the water. The time was 5:30 A.M. I then rechecked the following manholes:

Mt. Vernon E. of Hilton	65%	Wye Map P-4	MH 6
This reading was with the lid removed.			
Mt. Vernon W. of Hilton	60%	Wye Map P-4	MH 5
This reading was with the lid removed.			

At this time I went to the manhole on Laurel, South of Harrison (MH 2 Wye Map P-4). I took a reading in the manhole, with the lid still on, and obtained a 8-9% L.E.L. At this point I removed the lid and placed one barricade over the open hole. I removed this lid thinking that it might help to ventilate the manholes on Mt. Vernon Street. After removing the lid I shined my flash light down onto the flow in the manhole. I could see a silver sheen on the water. The sewer line at this point is a 36" line. The time was 5:40 A.M. I then checked the manhole on State Street West of Laurel (MH 1 Wye Map Q-4) and obtained a 8-9%. I did not remove this cover because it was in line with two driveways.

At this time I returned to the office and called Mr. Steve Short, also with this office, for assistance. Mr. Short arrived at approximately 6:30 A.M. We then returned to the Mt. Vernon area to see if we could locate the source of the gasoline. We could find no possible source. We checked the main line that serves Tommy Oil and Phillips 66 on Scenic St. and found nothing. We checked the line that serves Schuler's Service Station on West Chestnut Exp. and found nothing. These are the only service stations in the area.

We then decided to check the manhole on West Harrison, West of Laurel (MH 15 Wye Map P-4). This sewer main is below where we were having a problem, but we thought we needed to check it out anyway. We received a 0% L.E.L. We then returned to the office.


Gene Pabst

MTVERN2

August 24, 1988

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After further checking of the area we could find no source of the gasoline. We then decided to remove the manhole cover from manhole no. 5, wye map P-4. This was done at approximately 3:45 A.M. Two barricades were again placed around the manhole opening. One was placed on the east side, as well as on the west side of the manhole opening.

Both manholes are located just to the south of the center line, in the eastbound lane of Mt. Vernon St.

At both locations the manhole cover was placed under one of the barricades and in line with the manhole opening so as not to be in the lane of traffic.

Steve Short and I returned to check on the L.E.L.'s in the above mentioned manholes between 7:30 A.M.-8:00 A.M. At this time we noticed that the manhole cover and one of the barricades was missing from manhole no. 5, wye map P-4. One barricade was still covering the open manhole. We found the missing barricade to the northeast of the manhole in the grass north of Mt. Vernon St. The manhole cover was also located to the northeast of the manhole in the grass north of Mt. Vernon St., but was approximately 30 Ft. to the east. At this time we replace the barricade and rolled the manhole cover back to the manhole and placed it next to the open manhole.



Gene Pabst

3000 W. Mt. Vernon

AVENUE

LAUREL

MT. VERNON

STREET

NOTE: 4" LATERALS UNDER CONCRETE BOX (CAPPED EA. END)
APPROX. 12" UNDER BOTTOM 2 OF BOX.

"Laterals to be maintained by city."

